

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	329	137/493.9.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 09:54
L4	329	137/493.9.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 09:56
L5	20	L4 and filter\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 09:56
L6	59	137/493,493.9.ccls. and filter\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 10:04
L7	27	137/493.1-493.6.ccls. and filter\$3 not 6	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 10:13
L8	6	137/506.ccls. and filter\$3 not 6	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 10:11
L9	6	8 not 7	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 10:11
L10	62	137/493,493.9,493.1-493.6,506.ccls. and filter\$3	USOCR	OR	OFF	2004/11/19 10:25
L11	45	55/313.ccls.	USOCR	OR	OFF	2004/11/19 10:26
L12	88	55/313.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 10:36
L13	23	137/512.2.ccls. and filter\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/19 10:36
L14	16	("2793752").URPN.	USPAT	OR	ON	2004/11/19 10:53
L40	5	("3799347").URPN.	USPAT	OR	ON	2004/11/19 11:10
L41	4	b01d035/147 and b01d035/15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 11:15
L42	36	b01d035/15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 11:12

L43	606	b01d035/147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 11:16
L44	5	b01d027/10 and b01d035/15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 11:15
L45	13	b01d035/147 and (both either reverse two) near direction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 11:17
L46	28	b01d035/147 and (both either reverse two) near (flow direction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 11:20
L47	56	b01d027/10 and (both either reverse two) near (flow direction) not 46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 11:21
L48	1	09/933169	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/19 14:24
S1	1	09/933169	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/15 14:47
S2	1	S1 and barb	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/15 14:59
S3	2	("3868325"   "4125469").PN.	USPAT	OR	ON	2004/02/15 14:57
S4	12	"4320000".URPN.	USPAT	OR	ON	2004/02/15 14:57
S5	1122	transmission adj filter\$3.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/15 14:59
S6	1122	(transmission adj filter\$3).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/15 14:59

S7	3	S6 and barb	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/02/15 14:59
S8	1	"4689144".PN.	USPAT	OR	OFF	2004/02/15 15:00
S9	0	09/933169	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/19 14:24
S10	1	DRUGA-larry.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/12/03 15:31
S11	0	D466969	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/12/03 15:32
S12	0	D466969.pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/12/04 12:16
S13	6	"4125469".URPN.	USPAT	OR	ON	2002/12/04 13:39
S14	1	cecil-t\$.xa,xp. and biflow and drier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 16:41
S15	0	"6235192".URPN.	USPAT	OR	ON	2002/12/04 13:41
S16	36	("1416771"   "1679012"   "2019747"   "2065062"   "3064819"   "3090490"   "3178022"   "3190445"   "3200838"   "3286728"   "3434599"   "3680707"   "3841490"   "4029580"   "4082295"   "4104044"   "4125469"   "4177145"   "4192751"   "4227901"   "4257458"   "4318809"   "4320000"   "4364756"   "4436623"   "4437490"   "4573888"   "4637881"   "4708606"   "4882061"   "4954252"   "4995452"   "5201195"   "5364540"   "5440899"   "6152996").PN.	USPAT	OR	ON	2002/12/04 13:41
S17	147	210/133.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 14:25
S18	2	210/133.ccls. and bidirectional	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 14:43

S19	6	("3256908"   "3289841"   "3322281"   "3472380"   "3795312"   "3799347").PN.	USPAT	OR	ON	2002/12/04 14:32
S20	7	"4003397".URPN.	USPAT	OR	ON	2002/12/04 14:38
S21	19	"3322281".URPN.	USPAT	OR	ON	2002/12/04 14:39
S22	3	("3322281"   "3289841"   "3472380").PN.	USPAT	OR	ON	2002/12/04 14:41
S23	5	"3799347".URPN.	USPAT	OR	ON	2002/12/04 14:42
S24	444	bidirectional near2 valve	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 15:02
S25	79	(bidirectional near2 valve) and filter\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 14:44
S26	5	("2423677"   "2951500"   "2987311"   "3112763"   "3625248").PN.	USPAT	OR	ON	2002/12/04 14:54
S27	642	(bidirection\$3 duel adj direction\$3) near3 valv\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 15:03
S28	136	((bidirection\$3 duel adj direction\$3) near3 valv\$3) and bypass\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 15:03
S29	108	((((bidirection\$3 duel adj direction\$3) near3 valv\$3) and bypass\$3) not ((bidirectional near2 valve) and filter\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 15:03
S30	20	(((((bidirection\$3 duel adj direction\$3) near3 valv\$3) and bypass\$3) not ((bidirectional near2 valve) and filter\$3)) and filter\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 15:55
S31	1	"3908693".PN.	USPAT	OR	OFF	2002/12/04 15:06
S32	5	137/493.9,493.ccls. and 210/130, 133,136.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 15:57
S34	172	137/493.9.ccls.	USOCR	OR	OFF	2002/12/04 15:58
S35	35	137/493.9.ccls. and (filter\$3 screen\$3)	USOCR	OR	OFF	2002/12/04 15:58
S36	14	137/493.9.ccls. and filter\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 16:21
S37	527	137/493.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 16:32

S38	31	137/493.ccls. and filter\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 16:22
S39	29	(137/493.ccls. and filter\$3 ) not (137/493.9.ccls. and filter\$3 )	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 16:22
S40	316	137/493.9.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/11/19 09:55
S41	125	210/130,133.ccls. and 210/136. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 17:32
S42	128	((bidirection\$3 duel adj direction\$3) near3 valv\$3) and filter\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 13:20
S43	28	((((bidirection\$3 duel adj direction\$3) near3 valv\$3) and filter\$3) not ((bidirectional near2 valve) (137/493.ccls. and filter\$3 ) (210/130,133.ccls. and 210/136. ccls.) (((bidirection\$3 duel adj direction\$3) near3 valv\$3) and bypass\$3) not ((bidirectional near2 valve) and filter\$3))))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/04 17:27
S44	587	210/130,133.ccls. not ((bidirectional near2 valve) (137/493.ccls. and filter\$3 ) (210/130,133.ccls. and 210/136. ccls.) (((bidirection\$3 duel adj direction\$3) near3 valv\$3) and bypass\$3) not ((bidirectional near2 valve) and filter\$3))))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2003/09/25 14:40
S45	4	210/136.ccls. and dual adj (check adj valve)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 09:08
S46	15	210/130-133.ccls. and (137/512-513.ccls. or 137/493. 7-493.9.ccls.)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 10:37
S47	17	"3000506".URPN.	USPAT	OR	ON	2002/12/06 09:22
S48	3	("1783599"   "3221880"   "3557957").PN.	USPAT	OR	ON	2002/12/06 09:27
S49	3	"4099540".URPN.	USPAT	OR	ON	2002/12/06 09:28
S50	5	("2170074"   "2870914"   "3127255"   "3750888"   "3855127").PN.	USPAT	OR	ON	2002/12/06 09:35
S51	4	"3970557".URPN.	USPAT	OR	ON	2002/12/06 09:36
S52	9	(filter near3 (install\$5)) near3 (backward\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 09:38

S53	34	210/136.ccls. and (137/512-513.ccls. or 137/493.7-493.9.ccls.)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 09:43
S54	23	(210/136.ccls. and (137/512-513.ccls. or 137/493.7-493.9.ccls.)) not ((210/130-133.ccls. and (137/512-513.ccls. or 137/493.7-493.9.ccls.)) "3000506".URPN. (("1783599"   "3221880"   "3557957").PN.) "4099540".URPN. (("2170074"   "2870914"   "3127255"   "3750888"   "3855127").PN.) "3970557".URPN. ((filter near3 (install\$5)) near3 (backward\$3)))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 09:43
S55	3	("2774375"   "3891000"   "4125469").PN.	USPAT	OR	ON	2002/12/06 09:47
S56	5	"4318809".URPN.	USPAT	OR	ON	2002/12/06 09:49
S57	26	210/130-133,136.ccls. and (bidirectional bi adj directional or install\$3 near2 backward)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 10:21
S58	18	210/130-133,136.ccls. and (bidirectional bi adj directional and install\$3 near2 backward)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 10:22
S59	0	210/130-133,136.ccls. and ((bidirectional or bi adj directional) and install\$3 near2 backward)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 10:22
S60	26	210/130-133,136.ccls. and ((bidirectional or bi adj directional) install\$3 near2 backward)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 10:34
S61	8	210/130-133,136.ccls. and ((bidirectional or bi adj directional) install\$3 near2 backward)	USOCR	OR	OFF	2002/12/06 10:34
S62	19	(137/512-513.ccls. or 137/493.7-493.9.ccls.) and (filter\$3 and screen)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2002/12/06 10:38
S63	17	"3000506".URPN.	USPAT	OR	ON	2002/12/06 13:01
S64	7	(bidirection\$3 duel adj direction\$3 bi adj direction\$3) and 210/130-133.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2002/12/06 14:35
S65	5	"3456800".URPN.	USPAT	OR	ON	2002/12/06 13:59
S66	12	((("2349416") or ("3262563") or ("3272336") or ("3370708"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/06 14:36

S67	0	(09/933169).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/09/25 14:24
S68	1	09/933169	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/25 14:25
S69	13	210/130.ccls. and 210/446.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2003/09/25 15:01
S70	317	b01d035/147	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2003/09/25 15:01
S71	447	b01d035/147	EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:01
S72	1	b01d035/147 and (dual bi either) near (direction directional)	EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:02
S73	1	b01d035/147 and ((dual bi either) near (direction directional) bidirection\$2)	EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:24
S74	4	(bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2)	EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:07
S75	310	(bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:26
S76	306	((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2)) not ((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:08
S77	116	((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2)) not ((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2))) and filter\$3.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:08
S78	2	("3200255"   "3289841").PN.	USPAT	OR	ON	2003/09/25 15:14
S79	8	"4192751".URPN.	USPAT	OR	ON	2003/09/25 15:14
S80	6	("3256908"   "3289841"   "3322281"   "3472380"   "3795312"   "3799347").PN.	USPAT	OR	ON	2003/09/25 15:16

S81	7	"4003397".URPN.	USPAT	OR	ON	2003/09/25 15:16
S82	194	((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2)) not (((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2)) not ((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2))) and filter\$3.ti,ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:23
S83	906	b01d027/10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:23
S84	5	b01d027/10 and ((dual bi either reverse) near (direction directional) bidirection\$2)	EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:24
S85	5	(b01d027/10 and ((dual bi either reverse) near (direction directional) bidirection\$2)) not ((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2))	EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:24
S86	474	(bypass bipass bypassing) near2 filter\$3 and ((dual bi either reverse reversed) near (direction directional) bidirection\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:26
S87	164	((bypass bipass bypassing) near2 filter\$3 and ((dual bi either reverse reversed) near (direction directional) bidirection\$2)) not ((bypass bipass bypassing) near2 filter\$3 and ((dual bi either) near (direction directional) bidirection\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:39
S88	67	210/429,222,223,433.1.ccls. and bypass\$3 near2 filter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/09/25 15:39
S89	13	"2349416".pn. "3262563".pn. "3272336".pn. "3370708".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/25 16:30
S90	2	"2349416".URPN.	USPAT	OR	ON	2003/09/25 16:20
S91	17	"3912630".URPN.	USPAT	OR	ON	2003/09/25 16:21



S92	13	"1299861"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/25 16:31
S99	1	09/933169	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/18 18:10